



**Technical Committee 184: Industrial automation systems and integration**  
**Subcommittee 4: Industrial data**

**TC 184/SC4 N1106**

2000-11-13

**ISO TC 184/SC4**  
**Call for National Technical Experts**  
**Integrated Manufacturing Task Force**

SC4 has been undertaking a review of its standardisation activities related to manufacturing during the last year. At its recent meeting in Charleston, SC4 resolved (see attached resolution 477) to establish a task force on Integrated Manufacturing for mechanical components, with the following objectives:

- Define the scope of Integrated Manufacturing
- Create an Integrated AAM covering the whole scope of Integrated Manufacturing for mechanical components, taking into account the overlapping requirements of other sectors
- Evaluate the current SC4 and other relevant normative documents in relation to the Integrated AAM, and to identify the overlaps and the missing links
- Create requirements for enhancing current SC 4 and other relevant normative documents
- Survey the evidence of industrial needs for this effort

The ISO TC 184/SC4 Secretariat is conducting a call for national nominations for technical experts to participate in this Integrated Manufacturing Task Force. The task force will submit the results of their technical evaluation at the next SC4 meeting in Funchal, Portugal, in February 2001 and the survey on industrial needs at the meeting in San Francisco in June 2001. Due to these time constraints:

**Nominations should be submitted to the SC4 Secretariat by 2000-12-13.**

National technical experts are expected to be active in the work of SC4 and actively participate in the consensus-building standardization process. It is important that national bodies identify all those individuals who are actively contributing towards the standardization of industrial data standards of SC4.

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## **RESOLUTION 477 (Charleston, SC-October, 2000)**

### **Integrated Manufacturing Task Force**

#### **Introduction:**

Different APs are defining Form Features and Machining Features, with different views, whether they are considered as being input to the process planning, such as in AP 214 and AP224, or as resulting from it as in AP213.

ISO 14649 is also using Machining process features as input for the NC process.

It appears necessary to develop a consistent and complete approach for machining features that fit to the complete process of manufacturing.

Pr. Sakamoto has developed and presented to Change Management Committee a preliminary data planning model for integrated manufacturing, that is for the creation of Process Plan the machining of Mechanical Parts.

#### **Objective:**

- to develop an Application Activity Model that covers the complete scope of Integrated Manufacturing, and helps to define a consistent set of ISO standards covering the whole scope of manufacturing.
- to perform a technical survey on integrated manufacturing by technical experts.
- to review the industrial needs in this field.

#### **Resolution:**

SC4 creates a task force on Integrated Manufacturing for mechanical components, with the following objectives:

- Define the scope of Integrated Manufacturing
- Create an Integrated AAM covering the whole scope of Integrated Manufacturing for mechanical components, taking into account the overlapping requirements of other sectors
- Evaluate the current SC4 and other relevant normative documents in relation to the Integrated AAM, and to identify the overlaps and the missing links
- Create requirements for enhancing current SC 4 and other relevant normative documents
- Survey the evidence of industrial needs for this effort

The results of the technical evaluation will be submitted to SC4 at the next meeting, and the survey on industrial needs at the following meeting.

SC4 appoints Pr. Takeshi Kishinami as leader of the task force

SC4 directs its secretariat to circulate to P-members and A-liaisons a call for experts.